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IS 10293 (1982): Dimensions for optional recess on morse taper shanks for tools [PGD 32: Cutting tools]

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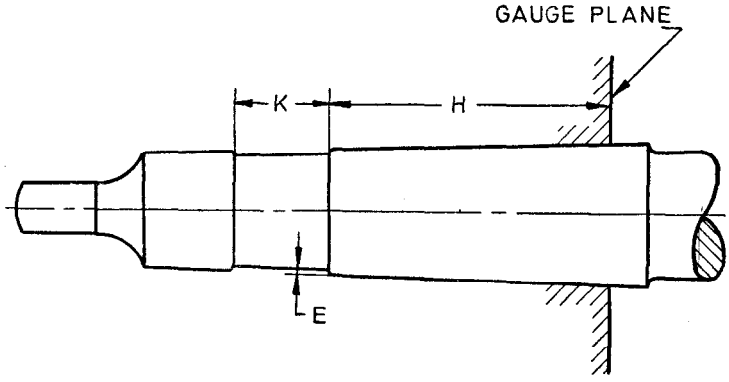
Indian Standard

DIMENSIONS FOR OPTIONAL RECESS ON MORSE TAPER SHANKS FOR TOOLS

1. Scope — Covers the dimensions for an optional recess on morse taper shanks for tools according to IS : 1715-1973 'Dimensions for self-holding tapers (*first revision*)'.

1.1 This recess can be provided by the manufacturer for the purpose of marking, if marking is not possible at any other place on the tool.

2. Dimensions



All dimensions in millimetres.

Morse Taper	H	K	E
0	28	10	
1	30	10	
2	36	12	0·3
3	45	12	to
4	56	12	0·5
5	72	15	
6	100	15	

Note — Other dimensions according to IS 1715-1973.

EXPLANATORY NOTE

Morse taper shank tools, such as drills, reamers, etc, especially having negligible neck between the shank and cutting portion, cannot be marked easily. Tool manufacturers, therefore, have to use a relief for marking purpose as specified in this standard. Such a problem does not exist, when a morse taper shank is used on items other than tools. Therefore, instead of amending IS : 1715-1973 to include the relief dimensions, it was decided by Small Tools Sectional Committee, EDC 45 to issue a separate standard covering the dimensions for tools only.

This standard has been prepared in accordance with the current practices prevalent in the tool industry.

Small Tools Sectional Committee, EDC 45; Twist Drills, Reamers, Tapers, Sockets, Sleeves, Adaptors Subcommittee, EDC 45 : 1 [Ref: Doc: EDC 45 (3775)]

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INDIAN STANDARDS INSTITUTION
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
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